

FIG. 1

Serial No.: 09/751,493 Filed: 12/28/00
Examiner: B. Sisson Group Art Unit: 1636
Applicant: Mark A. Burns
Title: **Microscale Devices And Reactions In
Microscale Devices**
Atty. Docket No.: UM-04985 Sheet 2 of 7

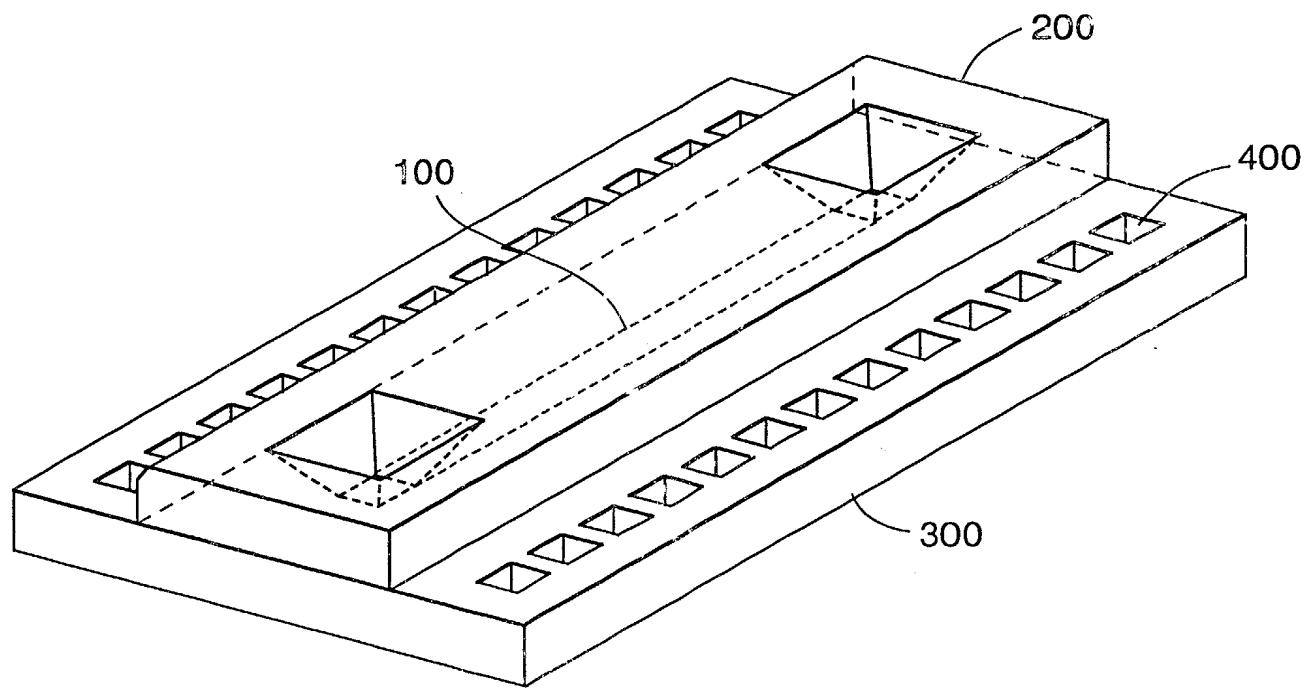


FIG. 2

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Applicant: Mark A. Burns
Title: **Microscale Devices And Reactions In
Microscale Devices**
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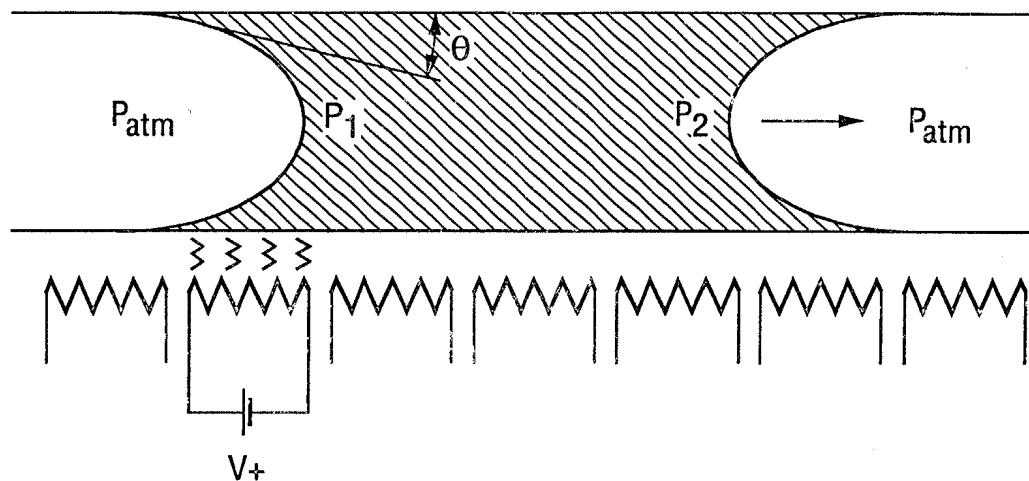


FIG. 3

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Microscale Devices
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FIG. 4A



FIG. 4B

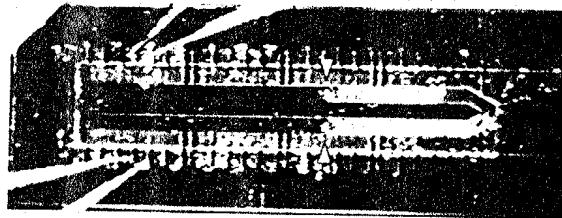


FIG. 4C

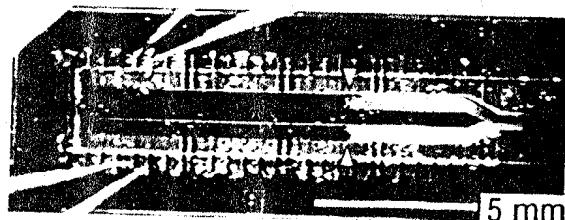
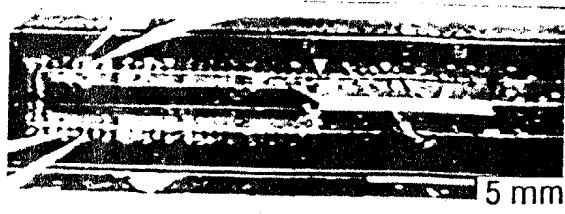


FIG. 4D



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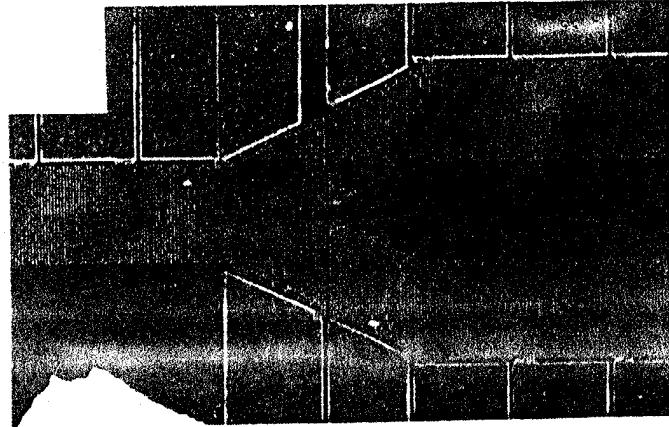


FIG. 5A

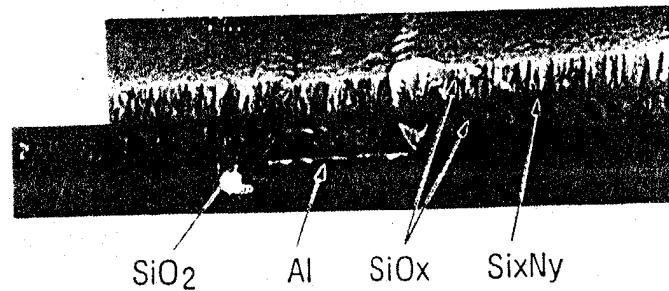


FIG. 5B

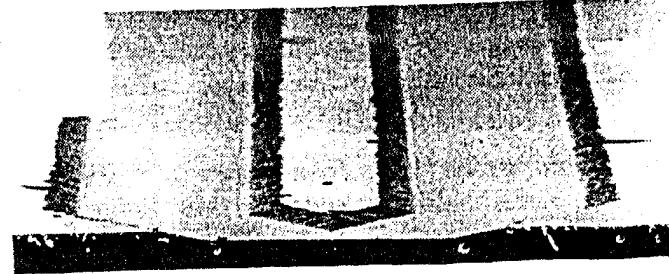


FIG. 5C

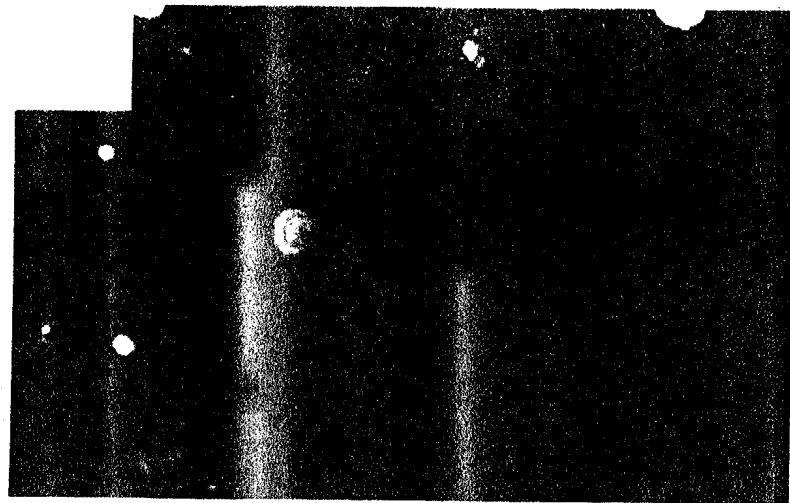


FIG. 6A

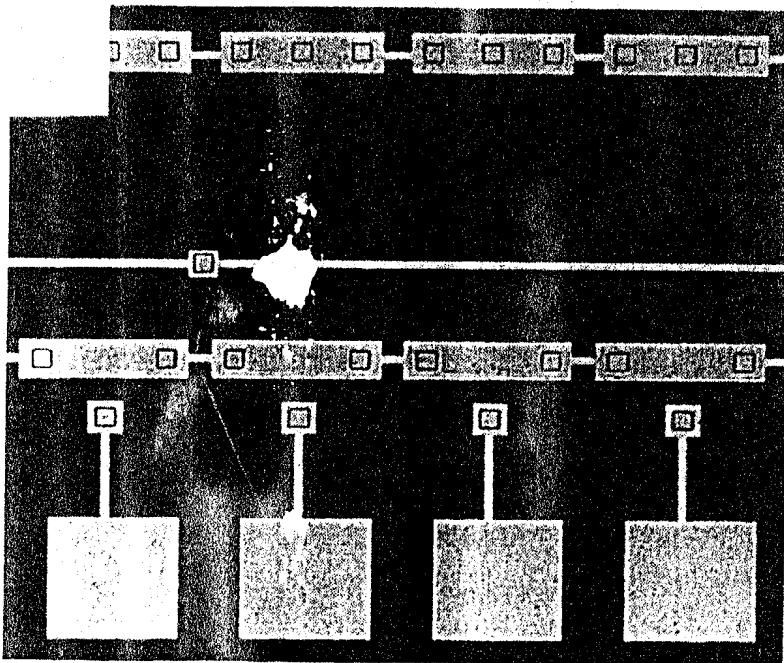


FIG. 6B

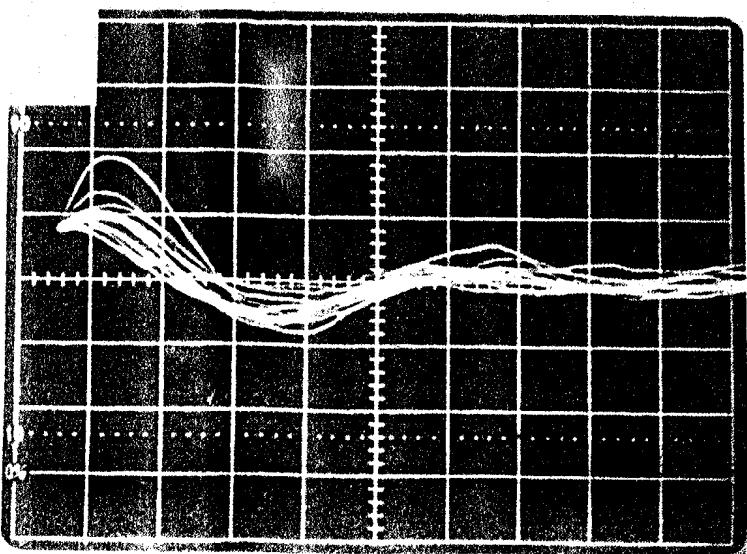
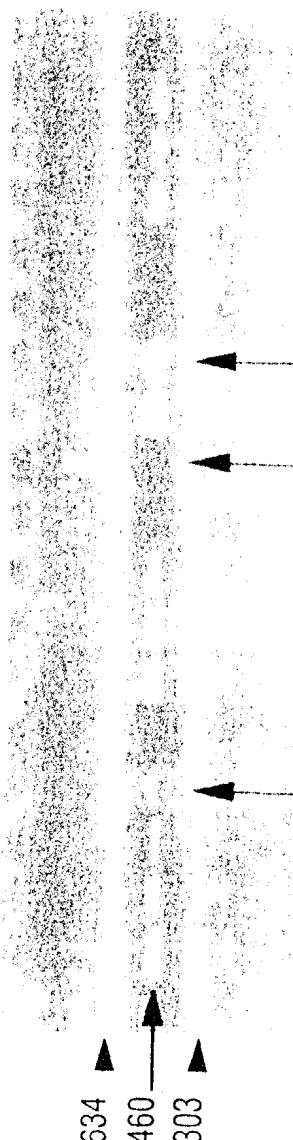


FIG. 6C

LIQUID NAILS GLUE
BOND-ALL GLUE
GOOP GLUE
RUBBER CEMENT
CURED SILICONE SEALER
UV GLUE
VACUUM GREASE
SILICONE SPRAY
POLYAMIDE
RUBBER GASKET
REACTION VIAL PLASTIC
STAINLESS STEEL THERM.
WIRE THERMOCOUPLE
CRUSHED SILICON
SILICON WAFER
CRUSHED GLASS
GLASS CAPILLARY
CONTROL
LADDER



PCR RESULTS WITH STANDARD REAGENT AMOUNTS

FIG. 7